

CLAIMS

1. A liquid emitting apparatus including a liquid chamber for storing a liquid, a supply unit for supplying the liquid to said liquid chamber, two or more pressure generating elements provided in said liquid chamber for pressurizing the liquid stored in said liquid chamber, emitting means having a plurality of emitting ports for emitting the liquid pressurized by said pressure generating elements onto a major surface of a support from said liquid chamber in the form of liquid droplets, and emission controlling means for controlling the current values supplied to said pressure generating elements for controlling the angle of emission of said liquid droplets from said emission ports; wherein

with the current supplied to one of said pressure generating elements as a reference current, said emission controlling means supplies the current approximately equal to said reference current or the current having a current value difference less than $\pm 10\%$ from said reference current, to the pressure generating element or elements other than the pressure generating element supplied with said reference current.

2. The liquid emitting apparatus according to claim 1 wherein said emission controlling means supplies the current having a current value difference less than $\pm 8\%$ with respect to said reference current to the pressure generating element or elements other than said pressure generating element supplied with said reference current.

3. The liquid emitting apparatus according to claim 1 wherein the emitting ports of

said emitting means are arranged side-by-side in a line.

4. A liquid emitting method for a liquid emitting apparatus including a liquid chamber for storing a liquid, a supply unit for supplying the liquid to said liquid chamber, two or more pressure generating elements provided in said liquid chamber for pressurizing the liquid stored in said liquid chamber, emitting means having a plurality of emitting ports for emitting the liquid pressurized by said pressure generating elements onto a major surface of a support from said liquid chamber in the form of liquid droplets, and emission controlling means for controlling the current values supplied to said pressure generating elements for controlling the angle of emission of said liquid droplets from said emission ports; wherein

with the current supplied to one of said pressure generating elements as a reference current, the current approximately equal to said reference current or the current having a current value difference less than $\pm 10\%$ from said reference current, is supplied to the pressure generating element or elements other than the pressure generating element supplied with said reference current.

5. The liquid emitting method according to claim 4 wherein the current having a current value difference less than $\pm 8\%$ with respect to said reference current is supplied to the pressure generating element or elements other than said pressure generating element supplied with said reference current.

6. The liquid emitting method according to claim 4 wherein the emitting ports of said emitting means are arranged side-by-side in a line.